

# REMANUFACTURED AND AUTOMATED 220-8 CINCINNATI CENTERLESS GRINDER



**CRI**

# POWERFUL GRINDING PERFORMANCE

Grinding long antennas with heavy tapered stock removals present some unique production issues. CRI remanufactured a highly automated grinder to automate their grinding operation, giving them greater consistency and part quality. The grinder is removing .090 stock from the tapered end of the part while just touching up the straight end, all in one pass.

The solution for this process was a 220-8 Cincinnati centerless grinder, fully remanufactured with CNC controls, CNC dressing, frequency drive for the grinding wheel, CRI's frequency drive transmission retrofit, CNC servo infeed, and part handling automation. The customer now grinds many different styles of antennas, easily and consistently.

## OPEN ARCHITECTURE

CRI's open architecture controls package operates on a Windows 2000 PC system that offers the ability to integrate with a front office system for management oversight of daily operations. Management reports and SPC functionality can come right from the machine's operation system. The complete system is fully programmable, offering consistency from operator to operator.

## SPECIFICATIONS: 220-8 CINCINNATI CENTERLESS GRINDER

- Main drive: 20 HP
- Grinding wheel maximum dimensions:  
24" diameter x 8" width x 12" bore
- Regulating wheel maximum dimensions:  
14" diameter x 8" width x 5" bore
- Regulating wheel speeds: 12-300 RPM
- Approximate weight: 18,000 lbs.

## DOCUMENTATION

CRI provides full documentation with each machine, including electric and hydraulic schematics. All programs are included. We provide training for your operators to ensure smooth integration into your production.

## WARRANTY

Each CRI remanufactured machine comes with a 24-month warranty on both spindles and a 12-month complete machine warranty. If you experience any issues, CRI's technicians will come to your plant and rectify all mechanical, electrical, or programming issues.

## PROCESS DEVELOPMENT

Let CRI inspect your grinding processes and help you develop grinding systems that consistently meet quality and production requirements. CRI offers remanufacturing on exchange, allowing you to keep production running while we prepare a grinding system for you. Call CRI today, come in and visit our remanufacturing facility, or have us come to your facility, to see how we can help you reach your grinding goals.

## THRUFEED OPTIONS AVAILABLE:

- Electric Dressing
- Auto Diamond Advance
- New Style Rate Valve
- Grinding Wheel Frequency Drive
- Constant Surface Feet
- Frequency Drive Transmission Replacement
- Micro Comp System
- Hydraulic Taper Adjustment
- Low Friction Slides
- Mist Suppression System
- Automation

## INFEED OPTIONS AVAILABLE:

- CNC Dressing
- Electric Dressing
- Auto Diamond Advance
- New Style Rate Valve
- Grinding Wheel Frequency Drive
- Constant Surface Feet
- Frequency Drive Transmission Replacement
- Servo Infeed System
- Hydraulic Taper Adjustment
- Low Friction Slides
- Mist Suppression System
- Automation



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